

Title (en)

OPERATION LOGIC OF AN ORGANIC MATERIAL THERMOHYDROLYSIS SYSTEM

Title (de)

BETRIEBSLOGIK FÜR EIN SYSTEM ZUR THERMOHYDROLYSE EINES ORGANISCHEN MATERIALS

Title (fr)

LOGIQUE DE FONCTIONNEMENT D'UN SYSTÈME DE THERMOHYDROLYSE DE MATIÈRES ORGANIQUES

Publication

EP 2796419 A1 20141029 (EN)

Application

EP 12859439 A 20121009

Priority

- KR 20110138957 A 20111221
- KR 20120035246 A 20120405
- KR 2012008167 W 20121009

Abstract (en)

Disclosed is an operating logic of an organic material thermal hydrolysis system. One or at least two reactors are used and controlled according to a control program based on an operating logic stored in a PLC or a micro-computer to improve digestion efficiency and to minimize an amount of a sludge dehydrated cake in a dehydration process after the digestion process has been performed. Waste heat generated from a reactor is used to preheat the conditioning tank to save operating energy, and continuously generated waste heat is continuously used.

IPC 8 full level

C02F 11/10 (2006.01); **C02F 11/18** (2006.01); **C10L 3/10** (2006.01); **C10L 9/08** (2006.01)

CPC (source: EP US)

C02F 11/18 (2013.01 - EP US); **C10L 3/106** (2013.01 - EP US); **C10L 9/086** (2013.01 - EP US); **C02F 2209/005** (2013.01 - EP US); **C02F 2209/006** (2013.01 - EP US); **C02F 2303/06** (2013.01 - EP US); **C02F 2303/10** (2013.01 - EP US); **Y02W 10/30** (2015.05 - EP US)

Cited by

FR3032193A1; US10358368B2; WO2016125076A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

EP 2796419 A1 20141029; **EP 2796419 A4 20151028**; CA 2860182 A1 20130627; CN 104010976 A 20140827; CN 104010976 B 20160106; IN 4682CHN2014 A 20150918; JP 2015506266 A 20150302; US 2014346120 A1 20141127; WO 2013094859 A1 20130627

DOCDB simple family (application)

EP 12859439 A 20121009; CA 2860182 A 20121009; CN 201280063855 A 20121009; IN 4682CHN2014 A 20140620; JP 2014548647 A 20121009; KR 2012008167 W 20121009; US 201214368103 A 20121009